

Patent Claims

1. Seal element, containing at least a housing area (4, 18), at least one dynamic seal area (7, 8, 17) as well as at least one static seal area (5, 19), which is in at least a partial work relationship to the housing area (4, 18), thereby characterized that the static seal area (5, 19) is at least partially covered with hardenable material (11, 20) comprised of a to-be-specified proportion of friction-reducing elements.
2. Seal element in accordance with Claim 1, thereby characterized that the material (11, 20) is hardenable under the effects of temperature.
3. Seal element in accordance with Claim 1 or 2, thereby characterized that the material (11, 20) is a glue.
4. Seal element in accordance with one of the Claims 1 to 3, thereby characterized that the material (11, 20) is a polymer glue.
5. Seal element in accordance with one of the Claims 1 to 4, thereby characterized that the material (11, 20) is comprised of polyurethane or polyacrylate.
6. Seal element in accordance with one of the Claims 1 to 5, thereby characterized that the friction-reducing elements are comprised of PTFE.
7. Seal element in accordance with one of the Claims 1 to 6, thereby characterized that the covering material (11, 20) is composed of the following proportional makeup:

5 – 20% acrylpolymer
0 – 10% PTFE
65 – 95% water
8. Seal element in accordance with one of the Claims 1 to 7, formed by a radial wave seal ring whose external surface (6) has a static seal area (5) affixed.

9. Seal element in accordance with Claim 8, thereby characterized that the external surface (6) has a static seal area (5) affixed, especially one that is comprised of elastomer.
10. Seal element in accordance with Claim 8 or 9, thereby characterized that the static seal area (5) is made in a profiled form (9).